

ABSTRACT

DATA COMMUNICATIONS

5 A method of communicating data from a data source (10) on one bus
system (1) to a data sink (30) on another bus system (3) whose cycle rate is
similar to but not synchronised with that of the first bus system comprises the
steps of determining the tolerances with respect to frequency between the first
and second bus cycle periods, assembling the data for transmission into
10 packets, allocating a variable size, dependent on the tolerances, data payload
to the packets, and including within the packets a header indicating the size of
the payload. The receiving bus (3) receives these packets and extracts the
data payload from the packets using the packet header indication of the size of
the data payload.

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[Figure 1]